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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL, DS, GS, AND DEPOT
MAINTENANCE MANUAL

ANALYZER-CHARGER, BATTERY AN/ASM-137

This copy is a reprint which includes current
pages from Changes 1 and 2.

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HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, DC, 18 September 1967

**ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT, AND
 DEPOT MAINTENANCE MANUAL
 INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST
 ANALYZER CHARGER, BATTERY AN/ASM-137**

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*This manual supersedes TM 11-6625-678-15, 24 March 1966.

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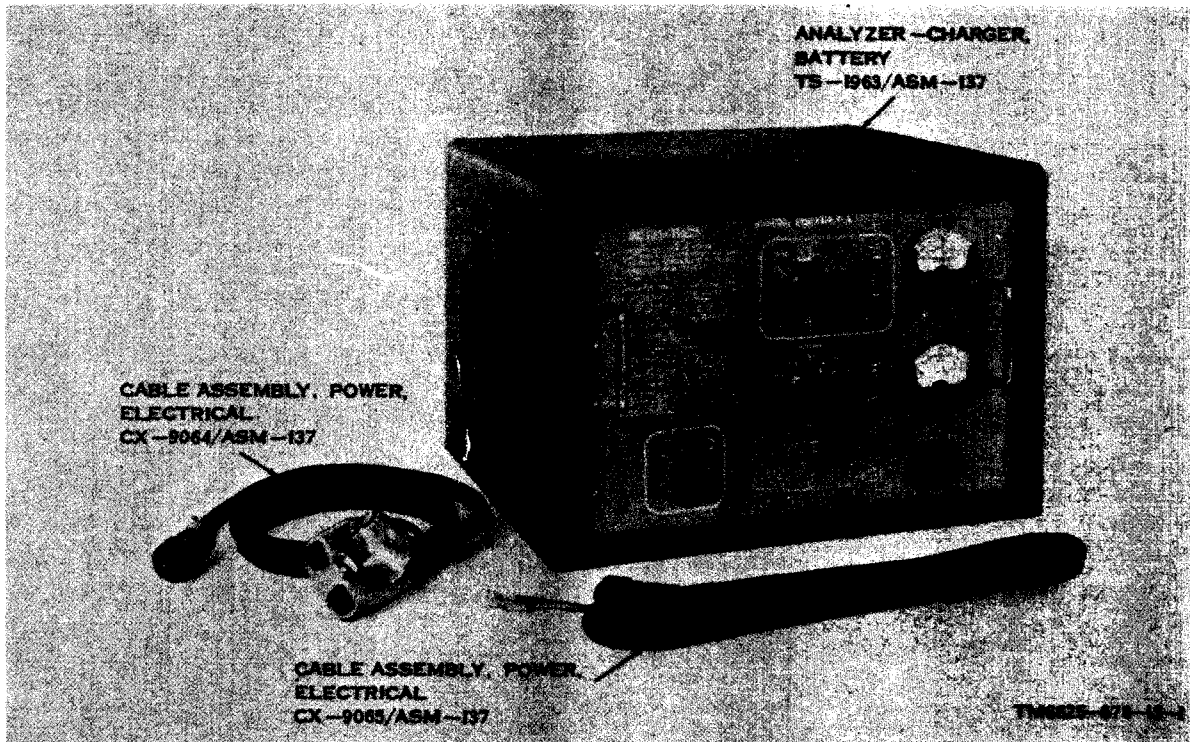


Figure 1-1. Analyzer-Charger, Battery AN/ASM-137

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual describes Analyzer-Charger, Battery AN/ASM-137 (fig. 1-1) and provides instructions for operation and organizational, direct and general support, and depot maintenance. Also included is a discussion of the functioning of Analyzer-Charger, Battery AN/ASM-137. Analyzer-Charger, Battery AN/ASM-137 is referred to as the *analyzer-charger* in this manual. This manual also contains a maintenance allocation chart (app C) and an organizational, direct support, general support, and depot maintenance repair parts list (app D). Appendix D is current as of 24 January 1968.

1-2. Indexes of Publications

a. *DA Pam 310-4.* Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. *DA Pam 310-7.* Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO'S) pertaining to the equipment.

1-3. Forms and Records

a. *Reports of Maintenance and Unsatisfactory Equipment.* Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

b. *Report of Packaging and Handling Deficiencies.*

Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A, and DSAR 4145.8.

c. *Discrepancy in Shipment Report (DISREP) (SF 361).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33A/AFR 75-18/MCO P4610.19B and DSAR 4500.15.

1-3.1. Reporting of Errors

Reporting of errors, omissions, and recommendations for improving this manual by the individual user is encouraged. Report should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forwarded direct to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703.

1-3.2. Reporting Equipment Improvement Recommendations (EIR)

EIR will be prepared using DA Form 2407, Maintenance Request. Instructions for preparing EIR's are provided in TM 38-750, The Army Maintenance Management System. EIR's should be mailed direct to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, New Jersey 07703. A reply will be furnished direct to you.

Section II. DESCRIPTION AND DATA

1.4. Purpose and Use

Analyzer-Charger, Battery AN/ASM-137 is a portable instrument designed to automatically discharge, charge, and analyze aircraft batteries of the nickel-cadmium type. The AN/ASM-137 provides a go or no-go test for Batteries, Storage BB-432/A, and BB-434/A.

1-5. Technical Characteristics

Power input:
 Voltage 115 volts ± 10 percent
 Frequency 60 cps.
 Phase Single.

Current (maximum)	10 amperes.
Power output:	
Type of charging	Pulsing constant current.
Operating cycle (timed).	2-hour discharge followed by 4-hour charge.
MAIN CHARGE	5.5 amperes for BB-432/A.
current (constant).	15 amperes for BB-433/A.
	11 amperes for BB-434/A.
	(In addition, 2.3 and 1.5 amperes are available.)
TOPPING charge	2.2 amperes for BB-432/A.
current(constant).	8.5 amperes for BB-433/A.
	4.4 amperes for BB-434/A.
	(In addition 1.7, and 1.1 amperes are available.